

GLOBE

WRIGHT

AGENCY ROLES IN CSDP

DOE

The Department of Energy has a vital interest in the CSDP in view of its long-term mission responsibilities relative to enhanced utilization of geothermal, fossil, and nuclear energy resources in a safe and environmentally sound manner. The national security role of DOE, in conjunction with DOD, provides additional impetus for the agency's participation in the CSDP. Of particular importance to DOE is fundamental research on the thermal regimes of the earth's crust.

This emphasis reflects the importance of thermally-driven processes in energy resource formation and utilization, in the disposal of waste products of geothermal, fossil and nuclear energy processes, in nuclear test containment, and in studies of seismic wave propagation related to treaty verification. Within the domain of thermal regimes of the earth's crust, studies on the nature and behavior of the transition between hydrothermal and magma systems are of major scientific interest. Because of the key importance for satisfying these mission-related needs, the DOE will expect to carry the primary Federal responsibility for deep drilling into magma-hydrothermal systems with funding by Federal agencies of related research of interest to them.

Technological innovations and developments in drilling, logging, sampling and instrumentation will be necessary to achieve scientific objectives in the hostile environment encountered deep in the earth's crust and thus will serve Agency objectives in providing innovations useful for industrial firms in the energy field.

NATIONAL SCIENCE FOUNDATION
WASHINGTON, D.C. 20550

DIVISION OF EARTH SCIENCES

14 May 1982

MEMORANDUM TO: ✓ George Kohlstad (DOE), Ben Morgan (USGS),
Jack Heacock (ONR)

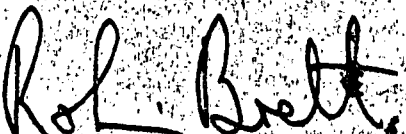
FROM: Robin Brett

SUBJECT: Statement of NSF Role in Continental Scientific Drilling
Program

This statement of NSF's role in the Continental Scientific Drilling Program has been approved by Francis S. Johnson, Assistant Director, for Astronomical, Atmospheric, Earth, and Ocean Sciences.

NSF Role In Continental Scientific Drilling Program

NSF's role in the Continental Scientific Drilling Program is: 1) to support, selectively, basic research science, not related to the role of mission agencies, involving down-hole instrumentation and core studies utilizing drill holes funded by the NSF or other sources; 2) to provide, when appropriate, funds for drilling and/or deepening holes to help answer basic questions on the structure and evolution of the continental crust; 3) to cooperate with other agencies involved to ensure proper management and coordination of the program, through, for example, the support of conferences, workshops, and curatorial facilities. The support of these activities is dependent upon the availability of funds in the NSF budget.


Robin Brett

BUDGET REQUEST SUMMARY

Geosciences Program

Office of Basic Energy Sciences

	Operating Costs (in Millions)
FY 1982 Appropriation	\$ 9.5
Requested Increases	
nuclear waste isolation research	+ 1.1
Continental Scientific Drilling Program	+ 0.75
organic geochemistry	+ 0.5
FY 83 Request	<hr/> \$11.85